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- delivery;
- d) powering said pump; and
  - e) deterring accidental self-injection by a user of said injection device.
39. The method of claim 38, wherein said method of deterring accidental self-injection of user further includes the steps of:
- a) providing a headlamp on a first end of said hand-held injection device to aid user in observing what is being injected;
  - b) providing a two-step injection process that must be completed before injection takes place, further comprising:
    - i) injecting said hollow needle fully into subject animal; and
    - ii) depressing a trigger on said hand-held injection device handle.
40. The method of claim 38, wherein said method of deterring accidental self-injection of user further includes the step of providing an emergency stop button on said hand-held injection device.
41. The method of claim 38, wherein said method of deterring accidental self-injection of user further includes the step of providing a safety interlock, mounted on a proximal surface of said hand-held injection device, said safety interlock extending longitudinally therefrom to a point even with said needle tip, said safety interlock urged to a second position, in response to said hand-held injection device being positioned adjacent an animal to be injected, where the needle is inserted completely in said animal body, where an extension of said safety interlock within the housing of said hand-held injection device closes a circuit actuating an injection.
42. The method of claim 38, further comprising the step of providing a control unit for precisely controlling the amount of a medicament administered, said control unit further

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comprising the steps of;

- a) providing a photo-optic sensor to control the volume of medicament fluid pumped by said pump;
- b) providing a circular encoder disc, having slots formed in said encoder disc at a calibrated distance from one another around the perimeter of said encoder disc; and
- c) providing a drive shaft, driven by said pump, for driving said encoder disc wherein said slots pass between an emitter and a receiver of said photo-optic sensor permitting calibration of the amount of said medicament dispersed.

43. A method of delivering a fluid medicament to an individual fowl, ovine, porcine, or other animal within a group, comprising the steps of:

- a) selecting a hand-held injection device from a group of such hand-held devices including:
  - i) a first hand-held injection device having a trigger, in electrical communication with said pump, said trigger mounted on a dorsal surface of said device, and having an emergency stop button, as means for deterring accidental self-injection of the user, said emergency stop button also mounted on the dorsal surface, and having a head lamp mounted on the proximal surface of said device for providing illumination in low light areas and as a further warning to the user to avoid self-injection, and having an injection in progress light mounted on said housing of said device;
  - ii) a second hand-held injection device having a trigger, in electrical communication with said pump, said trigger mounted on a dorsal surface of said device, and an emergency stop button as means for deterring accidental self-injection of the user, said emergency stop button also mounted on the dorsal surface, a head lamp mounted on the proximal surface of said device for providing illumination in low light areas and as a further warning to the

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- user to avoid self-injection, an injection in progress light mounted on said housing of said device and an optional dye marking means for conspicuously marking an animal injected simultaneously with the injection;
- iii) a third hand-held injection device having a second hollow needle, mounted on a proximal surface of said device, for injection two medicaments simultaneously, a trigger, in electrical communication with said pump, said trigger mounted on a dorsal surface of said device, and an emergency stop button as means for deterring accidental self-injection of the user, said emergency stop button also mounted on the dorsal surface, a head lamp mounted on the proximal surface of said device for providing illumination in low light areas and as a further warning to the user to avoid self-injection and an injection in progress light mounted on said housing of said device;
- iv) a fourth hand-held injection device having a trigger, in electrical communication with said pump, said trigger mounted on a dorsal surface of said device, and a safety interlock mounted on the proximal surface of said device as means for deterring accidental self-injection of the user, a head lamp mounted on the proximal surface of said device for providing illumination in low light areas and as a further warning to the user to avoid self-injection, an injection in progress light mounted on said housing of said device and optional dye marking means;
- b) interconnecting selected hand-held device to said pump by means of a quick connect fluid coupler for fluid connection with the system;
- c) providing electrical connection by means of an amp electrical connector to said control unit for powering said selected hand-held injection device; and
- d) selecting appropriate doses on said control unit to be delivered by said selected hand-held injection device.

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Applicant respectfully requests that this Preliminary Amendment be entered into the record. No